1957
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RECORD

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Reed C. Rollins
22 Divinity Ave.
Cambridge 38, Mass.

Notes on *Leavenworthia*

April 7 at Decatur, Alabama.

L. exigua at Fort Oglethorpe and south of there is white flowered, the fls. are small and fail to open very widely. I did not see that the calyx opened out as it does in *L. stylosa*. There is no noticeable odor to the fls.

L. stylosa - long-style and short fleshy pod seems to be south of a ridge or small rise running northeast from the high land of Bankhead Natl. Forest. The long-podded, flat and non fleshy short styled form appears to be to the north of this ridge.

Lesquerella densipila is in the same area with the short-podded *Leav. stylosa*. We noticed a much stronger tendency toward light violet under side of petals in the long podded form of *L. stylosa* than in the short podded form.

Is the gynophore on the short podded form of any significance.

with R. L. Chambers

5701 Leavenworthia torulosa Gray (16)
Petals white with a yellow center;
siliques torulose even when young;
thin soil over limestone; 1.5 miles
east of Cleveland, Bradley County,
Tennessee
April 5, 1957

5702 Leavenworthia exigua Rollins (19)
Fls. white with yellow center
Shallow soil over limestone, depression with
Juniperus about, eastern entrance to
the Chickamauga - Chattanooga National
Military Park, Catoosa County, Georgia
April 5, '57

5703 Cardamine hirsuta L. (5)
Cedar area, south of
Fort Oglethorpe, Catoosa County,
April 5, 1957

5704 Leavenworthia exigua (3)
live plants
Petals white with yellow center;
cedar woods, 1 mile east of Fort
Ogelthorpe, Catoosa Co., Ga.
April 6, 1957
N = 11! checked 5/16/58

5705 Leav. exigua (12)

petals white with yellow center, fls. scarcely opening even at 10:30 am bright sun. sepals show only slight tendency to spread.

Seep in shallow soil, pasture bordered by cedars, 7 miles south of Fort Oglethorpe, Walker Co., Ga.

n = 11! checked 5/6/58

5706 Plantago virginica L. (5)

abundant, as 5705 Det T. J. Rosatti

(5)

5707 Linaria? (1)

Field, highway 114, Chatooga Co., Ga., 1/2 mile east of Alabama State Line

April 6

5708 Sibara virginica (L.) Rollins (3)

Field, 1/2 mile west of Falkville, Morgan Co., Alabama

April 6

5709 Leav. uniflora (6)

Fls white, field - as 5708

5710 Lesquerella densipila ⑳

fixed

Old corn field, 1.8 miles east of Masey School, between Falkville and Danville, Morgan Co., Alabama

April 6 n = 8

crassa

5711 Leavenworthia [stylosa] ⑪

fixed

Abundant in old cornfield, siliques apparently inflated,

as 5710

Counted yellow vs white walking between hills of corn rows & counting every plant

white 59 { 1st 100 plants encountered.

yellow 41

5712 Leav. [stylosa] alabamica ⑫

petals white to pale violet, siliques flat, styles relatively short.

fixed

abundant in pasture, 4.1 miles west of Moulton, Lawrence Co., Ala. - April 7

n = 11 checked

alabamica

~~mi 480.7~~
~~newbury 472.8~~

5713 Leav. [stylosa] (13)
abundant in old field, Fls white or
upper surface white & lower pale ~~pa~~ violet,
a few yellow (bitter) -
visited abundantly by bees
1/2 mile east of Landersville,
Lawrence Co, Ala - april 7

fixed photo

n = 11!
checked 5/8/58

5714 Leav. stylosa (6)
Fls large, white or white with pale
violet under side, no yellow seen
1/4 mile west of ~~eastern~~ western boundary
of ~~Ly~~ Lawrence Co, in Franklin Co,
Ala - april 7

5715 Lesquerella lyrata (8)
near ~~Richardson's Crossing~~ Cheyney Hill Crossing 1½ miles
east of Russellville, Franklin Co.,
april 7,
(sometimes known as Richardson's Crossing)

5716 Leav [stylosa] crassa (13) ~~8~~
Fls white, fruits fleshy, thick
abundant, field & glade 8 miles
east of Wren, Lawrence County.
alabama
april 7

ala 2

5717 [illegible] ⑨
[illegible]
[illegible]

5718 [illegible] (Michx.) Britt. ②
[illegible]
[illegible]
[illegible]

5719 Plantago pusilla Nutt. ⑧
F[illegible] [[illegible]] crassa
⑧ [illegible] 5716. 160' T.G. Rosatti

5720 Plantago virginica L. ④
[illegible] 160' T.G. Rosatti
④

5721 [illegible] ~~[illegible]~~ crassa 3
[illegible]
[illegible] Dorchester,
Morganville, [illegible]
[illegible]

N = 11 !
[illegible] 5/7/5[illegible]

5722 Leavenworthia uniflora (13)
Field and cedar glade, 11.5 miles
north of Franklin on highway U.S. 31,
Davidson Co., Tenn.
April 8, 1957

Tennessee

5723 Leavenworthia torulosa Gray (15)
Fls. nearly white to very pale viol[illegible]
[illegible] calyx [illegible]
[illegible] cedar glade [illegible]
3.5 miles southeast of Franklin, [illegible]
[illegible] Co., Tenn. April 8
n = 15! checked 5/15/58

[illegible] Plantago virginica L. (4)
no 5729 Coll T. J. Emmett

(4)

[illegible] Gray (15)
F[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

[illegible] (15)
[illegible]

n = 15! [illegible] 5/[illegible]

[illegible] [illegible] Gray ⑤

[illegible]

Seen also 5 mi. n.e. of Lewisburg.
" " 9 mi. " " "

[illegible] ⑦

[illegible]
[illegible] Duck River [illegible] miles [illegible]
[illegible]

5729 [illegible] ⑦

[illegible]

[illegible] Nutt.

[illegible] T. J. [illegible]

5721 [illegible] ③

Fl. [illegible] to [illegible]

of 17 [illegible]

[illegible]

n = 11! [illegible] /58

[illegible] ③

[illegible]

n = 15! [illegible] /7/58

[illegible] ③

[illegible]

[illegible]

5734 [illegible] Gray (9)

Fl. right [illegible]

[illegible]

[illegible]

5735 [illegible] (B)

[illegible]

5736 [illegible] (6)

[illegible]

No [illegible]

[illegible]

Lea. [illegible] abundant in [illegible]
fields and [illegible] 7 miles [illegible]
of [illegible].

5737 [illegible] ⑦
Fl. [illegible] white to light [illegible].
[illegible] yellow
abundant in [illegible] and [illegible].
[illegible]
4. 5 miles [illegible]
[illegible] / [illegible]
[illegible]
sepals [illegible]

5738 [illegible] 8
Fl. [illegible]
[illegible] East Side [illegible], 1/2 mile
southwest of [illegible], [illegible]
[illegible] ?

5739 Lea. [illegible] Gray ⑦
Fl. white to light [illegible] abundant
[illegible]
2 miles south of [illegible],
[illegible]
[illegible]

[illegible] [illegible] ③
[illegible]
[illegible]
Ruth, [illegible]
with [illegible]

[illegible] [illegible] ⑥
[illegible]
with [illegible]

[illegible] [illegible] ⑧
[illegible]
with [illegible]

[illegible] [illegible] Gray ⑥
[illegible]
[illegible]
with [illegible]
[illegible]

[illegible] [illegible] Rollins
[illegible] ~~⑥~~
[illegible]

[illegible] [illegible] ③
[illegible]
[illegible]
[illegible]

5746 [illegible] (10)
[illegible]
[illegible]
[illegible], April 10
[illegible]

5747 [illegible] [illegible]
[illegible]

5748 [illegible] [illegible]
[illegible]

5749 [illegible] [illegible]
[illegible]

4.8 [illegible]

5723 [illegible] ③

yellow [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
Extensive [illegible] [illegible] [illegible] 5.8 miles
west of [illegible], [illegible] County, [illegible]
April 10

[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

5751 [illegible] ④

White [illegible] [illegible] flowers, [illegible] [illegible]
plant – very abundant in fields or
pastures, [illegible] mi. east of [illegible],
[illegible] Co., [illegible] April 10

pasture

Flowers vary from yellow to white
[illegible] [illegible] [illegible] 15 mi. [illegible] [illegible]
one field [illegible] had many yellow,
but [illegible] predominantly white
in light [illegible]

12.1

57752 [illegible] (5)
Abundant in pasture, [illegible]
[illegible]
[illegible] August 12

57753 [illegible] (14)
Abundant in field, near highway [illegible]
3 miles [illegible] of [illegible], [illegible]
Tenn. August 13.

[illegible] [illegible] Engelm. (7)
Flat [illegible], [illegible]
[illegible], [illegible] miles [illegible]
[illegible] August 13

[illegible] [illegible] bulbosa (Schreb.) B.S.P. (1)
[illegible]
[illegible]
[illegible]

57756 [illegible] aurea Nutt. (10)
[illegible]
[illegible]
[illegible]
[illegible] n = 23! checked 6/3/58

[illegible] [illegible] pusilla Nutt. (10)

[illegible]

(10) [illegible] - 108 : 7, J. Rosatti

[illegible] [illegible] aurea Willd. (3)

[illegible]

[illegible]

[illegible] Amsonia tabernaemontana Walt. (4)

[illegible]

[illegible] [illegible] canadensis L. (4)

[illegible]

[illegible]

Oklahoma →

5761 Streptanthus squamiformis Goodman ②
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

5762 Draba aprica Beadle ①
as 5761

5762a D. brachycarpa – 2 pl. in mixture

5763 Dodecatheon meadia L. ①
[illegible]
as 5761

5764 Viola pedata L. ①
[illegible]
as 5761

5765 Camassia scilloides (Raf.) Cory ①
[illegible]
as 5761

[illegible]

[illegible] Torr. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] 4.7 [illegible]

[illegible]

~~[illegible]~~
n = [illegible] [illegible] 5/16/58

[illegible] (Hook.) Wats [illegible]

[illegible]

[illegible]

[illegible]

5738 [illegible] cuneifolia Nutt. ④

[illegible]

[illegible]

[illegible] aurea Torr. [illegible]

[illegible]

[illegible]

[illegible]

[illegible] 13 -

5770 [illegible] (1)
[illegible]
[illegible], M[illegible]
[illegible]

5771 [illegible] (1)
[illegible]
[illegible], 7 ? miles [illegible]
[illegible]
n = 22 ! [illegible]
[illegible] n = 24 [illegible] (1)

5772 [illegible]
[illegible]
[illegible]
[illegible] — from
[illegible]

5773 [illegible]
[illegible]
[illegible]
[illegible]
[illegible]

5772 [illegible] ⑦
[illegible]
[illegible]
[illegible]
N = 24! checked 6/3/58

5773 [illegible] (Nutt.) Wats. ③
[illegible]
[illegible]
[illegible]
[illegible]

[illegible] [illegible] ⑥
[illegible]
[illegible]
[illegible]
[illegible]

5777 [illegible] ②
[illegible]
[illegible] an
[illegible]
——— nuttallii Gray (3)

5779 [illegible] [illegible] (Hook.) Wats. (7)
black land prairie, 6 miles
north of [illegible]. [illegible]
Texas. April [illegible]

5780 [illegible] pinnata (Walt.) Britt. (3)
as 5779

With [illegible] & [illegible]

5781 Descurainia pinnata (Walt.) Britt. (2)
Roadside - near Alvarado, Johnson Co.
Texas April 14

5782 [illegible] [illegible] (Engelm.) Wats. (12)
[illegible], 1 mile south
of Alvarado, Johnson Co. Texas.

5783 [illegible] [illegible] (Hook.) Wats. (3)
as 5782

5784 [illegible] [illegible]ifolia, Nutt. (4)
as 5782

Texas — [illegible]

5785 Lesq. densiflora (Gray) Wats.
Very abundant, [illegible],
3 miles southeast of [illegible],
Somervell County, Texas.
April 12th

5786 Lesq. recurvata (Engelm.) Wats. ⑤
abundant on limestone outcrop:
4 miles north of Evant,
Hamilton County, Tex. April 15th

5787 Lesq. Engelmanni (Gray) Wats. ⑧
Fls. yellow, [illegible], [illegible]
outcrop, 7 miles north of Lampasas
Lampasas County, Texas.
April 15

5788 Lesq. recurvata (Engelm.) Wats. ③
Fls. yellow, fruits on recurved
pedicels.
6. 3 m. north of Lampasas,
[illegible] April

[illegible]

[illegible] **Camassia scilloides** (Raf.) Cory (4)
[illegible], 10 miles north of
[illegible]

[illegible] [illegible] (Hook.) Wats. (4)
[illegible]
1 mile north of [illegible]
[illegible] 15

5791 [illegible] lasiocarpum Nutt.
var. orbiculare (Thell.) C.L. Hitchc. (3)
[illegible]

[illegible] [illegible] (10)
[illegible]
[illegible]
[illegible]

[illegible] 23 [illegible] aea (Gray) Wats. (5)
[illegible]
[illegible]
[illegible] miles north of [illegible]
[illegible]

Texas – [illegible]

5794 [illegible] pinnata (Walt.) Britt.
[illegible]

5795 Lesq. argyraea (Gray) Wats. ⑥
[illegible]
of Marble Falls, Burnet Co. Tex.
April 15

5796 Lesq. [illegible] (Wats.) Small ⑮
[illegible]
of Marble Falls, Blanco County, Tex
April 15

5797 Arabis petiolaris ③
[illegible]
Rocky hills, about 5 miles north
of Fredericksburg, Gillespie Co. Tex
April 16

Texas – [illegible]

[illegible] [illegible] (Dray) Wats (12)
[illegible]
2 [illegible]
[illegible] April 16

5799 [illegible] (Watr.) Small
[illegible]
[illegible]
[illegible]
April 16

[illegible] [illegible] (Engelm.) Wats, (3)
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

57101 [illegible] (Wats.) Small (5)
[illegible]
[illegible] Kerr County, Tex
[illegible]

Texas — Correll & Chambers

57102 Lesq. recurvata ③
Abundant along road, near junction [illegible]
with routes 1? and 83, [illegible]
[illegible] Leakey, Real County
April 16

57103 Lesq. [illegible] ③
Abundant on [illegible]

57104 Draba cuneifolia Nutt. ③
2 mi. south of Leakey, Real Co. Tex.
April [illegible]

57105 [illegible] ⑦
[illegible]
[illegible]
[illegible] Leakey [illegible]
April [illegible]

57106 Lesq. [illegible] ④
Abundant & [illegible]
[illegible] north of Camp Wood, Real
Co. Tex.
April 17

[illegible]

57107 [illegible] (Wats.) Small ③

Siliques very slightly compressed [illegible]
[illegible]
[illegible]
Tex. April 17

57108 Sisymbrium [illegible]
[illegible]
[illegible] Co., Tex. April 15

57109 [illegible] argyraea (Gray) Wats. ③
[illegible] Moville,
Uvalde Co. Tex. April 17

57110 Lesq. argyraea (Gray) Wats. ③
[illegible] pedicels [illegible]
8.5 miles northeast of Brackettville,
[illegible] Co. Tex. - April 17

[illegible]

5711 [illegible] [illegible]
[illegible]
7.7 miles [illegible]
[illegible] Co. [illegible] April 17

5712 [illegible] [illegible] (Gray) Wats. ⑤
[illegible]
18 miles [illegible]
[illegible] April 17

5713 [illegible] [illegible] (Gray) Wats. [illegible]
[illegible]
11 miles west of [illegible]
[illegible] April 18

5714 [illegible] ①
[illegible]

Texas — Correll & [illegible]

57115 Lesq. argyraea ①
Stream bed-bank, abundant, near creek. ~~7~~ 8 miles north
of ~~[illegible]~~ Quemado, Maverick Co, Tex
April 12

Quemado

57116 Lesq. fendleri (Gray) Wats. 2)
abundant along stony hillsides,
as 57115

[illegible]

57117 K[illegible] Walteri (Ell.) Mohr (6)
Flat [illegible] moist stream bank,
as 57115

57118 Lesq. grandiflora 7)
Sandy soil near [illegible] creek
[illegible] abundant
13.2 miles west of [illegible]
Springs, Dimmit Co. Tex
April 12

[illegible]

Texas — [illegible]

57119 Lesq[illegible] [illegible] ④
outer stems decumbent
as 57118.

57120 [illegible] pruinosa (Walt.) Britt. ④
Fls yellow, leaves vivid green.
As 57118

[illegible] Lesq[illegible] (Hook.) Wats. ④
[illegible] miles southeast
of Bremond, Milam Co., Tex.
April 19

[illegible] Lepidium lasiocarpa Nutt., var. orbiculare [illegible]
[illegible]
10 miles northeast of Jourdanton,
Atascosa Co., Tex. April 19

Texas - [illegible] & [illegible]

57123 [illegible] (Hook ex Gray) Wats. [illegible]
[illegible]
[illegible]
[illegible]
[illegible],
Atascosa Co., Tex.
April 19

57124 [illegible] (D)
[illegible]

[illegible] virginicum L. (3)
var. medium (Greene) C. L. Hitchc.
[illegible]

[illegible] (Gray) Wats. [illegible]
[illegible], [illegible]
[illegible], 7 miles east of
Campbellton, Atascosa Co., Tex.
April 19

[illegible]

② [illegible]

[illegible]

7118 [illegible] ③

Sand [illegible] 1.8 [illegible]

[illegible] illett, Ka[illegible]

Co., [illegible] April 17

5712 [illegible]

Sand [illegible]

[illegible]

[illegible] April 19

[illegible] (Hook) Water. ⑤

Sand [illegible] no

[illegible]

[illegible]

Texas [illegible]

57131 [illegible] capitatum (Dougl.) Greene ⑦
[illegible] near the
[illegible]
[illegible]
April [illegible]

57132 Lesq. gracilis (Hook.) Wats. ③
[illegible]
[illegible]
April [illegible]

With Kenton L. Chambers

57133 Lesq. gracilis (Hook.) Wats. 7
Abundant [illegible]
[illegible]
Red River Co., Texas
April [illegible]
[illegible]

57134 Lesq. angustifolia [illegible] Wats. 12
[illegible]
[illegible], Red River Co. [illegible]
April [illegible]

alabamica Rollins ⑤

57135 [illegible] ~~[illegible]~~

Cedar Glade [illegible] [Rollins [illegible]]

7 miles east of Russellville

Franklin Co. Alabama

April 22

N = 11! checked 5/14/58

57136 [illegible] [illegible] ③

as 57135

57137 [illegible] ~~[illegible]~~ alabamica ⑦

Field, 3½ miles east of [illegible]

Lawrence Co. Ala.

April 22

N = 11! checked 5/14/58

57138 [illegible] [illegible] ③

field, 8 miles east of [illegible]

Lawrence Co., Ala. April 22

57139 [illegible] ~~[illegible]~~ [illegible] ④

[illegible]

as 57135

N = 11! checked 5/14/58

with Chambers

57140 Leav. [illegible] (?)
n = 138

57141 [illegible] crassa (11)
[illegible] 1/4 mile [illegible]
[illegible]
April [illegible]
n = 11! checked 5/27/58
bridge seen at 1st anaphase.

Tennessee

57142 Leav. [illegible] (5)
pasture near Duck River,
2 miles south of Chapel Hill
Marshall Co. Tenn.
April 22
n = 15! [illegible]

57143 Leav. [illegible] (5)
= [illegible]

[illegible]

n = 11

57144 Leav. stylosa (25)
Glade area, [illegible]
1/2 mile north of Walterhill,
Rutherford County, Tenn.
April 2 [illegible]

57145 Leav. torulosa (3)
as 57144
N = 15! Rollins 5/21/57

57146 Leav. exigua (1)
as 57144

57147 Leav. uniflora (2)
as 57144

All four species growing together intermixed.

[illegible] [illegible] [illegible] ⑭
[illegible]
[illegible]
[illegible], 5 mi[illegible]
[illegible] [illegible]
April 23rd

57[illegible] [illegible] [illegible] ④
as 57148

n=11! checked 5/26/58

57150 Sisymbrium juniperorum
Fls. pale lavender, siliques erect;
hillside near Glenwood Springs,
Garfield Co., Colorado
June 13, 1957

57151 Sisymbrium
Fls. pale lavender, siliques arching
downward, as 57150

57152 Physaria floribunda Rydb.
Leaves silvery, as 57150

Localities for Lesquerella.

New Mexico: top of Sandia Mt. July 25, 1935
Bro. Arsène no. 21794.

Alberta: sandy soil near Milk River, southern
Alberta. June 24, 1932.
W. C. McCalla 3849.

Reed C. Rollins

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